## What is claimed is:

2 3 Had 1. 4 ap 5 in 6 ca 7 no 8 th 9 si

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apparatus coupled to a telephone network for automatically receiving telephone calls including corresponding paging messages directed to said subscriber, such telephone calls including corresponding source identifications signals generated by the telephone network to identify the name and telephone numbers of the corresponding sources of the telephone calls, said apparatus also coupled to a paging terminal of said paging system, said paging terminal operative to transmit paging messages to a portable paging receiver of said subscriber, said apparatus comprising:

means for storing a set of predetermined source identification codes;

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means coupled to the telephone network for automatically receiving telephone calls directed to said subscriber and for decoding the source identification signals thereof to generate corresponding decoded source identification codes;

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controller means coupled to said receiving means for selecting paging messages of the received telephone calls based on a correlation of the decoded source identification codes to said telephone calls with at least one of said stored set of predetermined source identification codes;

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means for coupling to said paging terminal and governed by said controller means to direct said selected paging messages to said paging terminal for transmission to said subscriber's paging receiver wherein said paging message is comprised of at least data representing the said source identification signal.

1	2.	The apparatus in claim 1 wherein said paging message is comprised of said
2	sourc	ce identification signal and data representing a voice message.
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5	3.	The apparatus in claim 1, including a storage means for storing said decoded
6	sour	ce identification codes and said voice message data.
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9	4.	The apparatus in claim 1 including a text to speech means wherein said source
10	ident	tification signal received and decoded is converted to stored audible voice data.
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5. Telephone answering apparatus for a subscriber of a paging system, said apparatus coupled to a telephone network for automatically receiving telephone calls including corresponding paging messages directed to said subscriber, such telephone calls including corresponding audible voice source identification signals generated by the telephone network to identify the telephone numbers of the corresponding sources of the telephone calls, said apparatus also coupled to a paging terminal of said paging system, said paging terminal operative to transmit paging messages to a portable paging receiver of said subscriber, said apparatus comprising:

means coupled to the telephone network for automatically receiving telephone calls directed to said subscriber and for storing the audible voice source identification signals;

controller means coupled to said receiving means for selecting paging messages of the received telephone calls;

means for coupling to said paging terminal and governed by said controller means to direct said selected paging messages to said paging terminal for transmission to said subscriber's paging receiver wherein said paging message is comprised of at least audible voice data representing the said source identification signal;

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1	6.	The apparatus in claim 1 where source identification signals received are
2	autom	natically supplied from the telephone network as Automatic Number Identification
3	signal	s.
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6	7.	The apparatus in claim 1 where source identification signals received are
7	auton	natically supplied from the telephone network as Caller Identification signals.
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10	8.	The apparatus in claim 1 where source identification signals received are DTMF
11	signa	ls manually entered by a calling party after an on-hook condition.
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14	9.	The apparatus in claim 1 where source identification signals received are fax
15	head	er signals automatically sent by a calling facsimile apparatus.
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1	10.	A pac	ging system, comprising:
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3		a pad	ging center;
4		- P-S	
5		a tele	ephone answering device;
6		a tolo	
7		said t	telephone answering device including:
		(a)	means for receiving, via the telephone lines, a signal representative of a
8		(a)	caller's name and telephone number sent before the telephone
9			answering device is engaged in a closed loop condition;
10			allswering device is engaged, in a electricity
11		4.	means for transmitting a prerecorded outgoing message to a caller, via
12		(b)	
13			a closed loop of telephone lines, upon reception of an incoming
14			telephone call, and for storing a caller's voice message and the said
15			signal representative of a caller's name and telephone number whereby
16			the subscriber can obtain the caller's stored voice message and
17			associated source identification signal;
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19		(c)	means for automatically, temporarily releasing the closed loop of the
20			telephone lines, and for reestablishing the closed loop of the telephone
21			lines after said voice message and source identification signal is received
22			and stored,
23			
24		(d)	means for calling the paging center, after said closed loop of the
25			telephone lines is reestablished;and
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27		(e)	means for transmitting said stored voice message and source
28			identification signal to the paging center via the telephone lines;
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a portable receiver unit, adapted to be called by the paging center, with a display window for displaying data corresponding to said source identification signal;

whereby the subscriber through the portable receiver unit is notified of the caller's identity and can selectively retrieve the associated voice message for annunciation stored in the portable receiver unit.

1	11.	A pag	ging system, comprising:
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3		a pag	ling center;
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5		a tele	phone answering device;
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7		said t	elephone answering device including:/
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9		(a)	means for receiving, via the telephone lines, a signal representative of a
10			caller's telephone number sent before the telephone answering device
11			is engaged in a closed loop ondition;
12			
13		(b)	means for transmitting a prerecorded outgoing message to a caller, via
14			a closed loop of telephone lines, upon reception of an incoming
15			telephone call, and for storing a caller's voice message and the said
16			signal representative of a caller's telephone number whereby the
17			subscriber can obtain the caller's stored voice message and associated
18			source identification signal;
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20		(c)	means for automatically, temporarily releasing the closed loop of the
21			telephone lines, and for reestablishing the closed loop of the telephone
22			lines after said voice message and source identification signal is received
23			and stored:
24			
25		(d)	means for calling the paging center, after said closed loop of the
26			telephone lines is reestablished; and
27			
28		(e)	means for transmitting at least said source identification signal to the
29			paging center via the telephone lines;
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a portable receiver unit, adapted to be called by the paging center, with a display window for displaying data corresponding to said source identification signal;

whereby the subscriber through the portable receiver unit is notified of the caller's identity and can directly call and talk to the caller from outside the subscriber's office or can directly call and listen to the voice message at said telephone answering device at said subscriber's office.

12.	The paging system in claim 8 wherein said sou	urce of identification signals are
audib	ole voice signals and said portable receiver unit o	contains a sound output means
where	eby said received source identification signals ma	ay be annunciated for the called
subso	criber.	

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13. The paging system in claim 8 wherein is provided a means for providing a caller an audible verification of the stored name and telephone number signal data received prior to ending the call and means for allowing the caller to selectively replace the stored caller identifying information prior to ending the call for transmission to a portable receiver device.

<sup>-</sup> 1	14. A method of communication information wherein said method of initiating
2	communication between a calling party and a paging network involves the steps of:
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4	providing a called party location with a caller identification and optional data
5	detection and storage means, and a communication means to initiate a communication
6	with a paging network;
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8	initiating a first communication between a calling party and a called party
9	location over a telephone network;
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-11	receiving and storing at a called party location at least caller identification
12	information automatically supplied from the telephone network;
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14	receiving and storing at a called party location optional data from the calling
15	party;
16	
17	terminating said first communication between said calling party and said called
18	party location over said telephone network;
19	
20	automatically initiating a second communication between said called party
21	location and said paging network through said telephone network;
22	
23	automatically recalling said stored caller identification information and said
24	optional data from said called party location storage means and transmitting to said
25	paging network through said telephone network;
26	
27	receiving said caller identification information and said optional data at said
28	portable communication device identified in said paging network to said called party
29	subscriber.
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15. A method of communication information wherein said method of initiating
communication between a calling party and a paging network involves the steps of:
providing a called party location with a caller identification and optional data
detection and storage means, and a communication means to initiate a communication
with a paging network;
initiating a first communication between a calling party and a called party
location over a telephone network;
receiving and storing at a called party location at least caller identification
information automatically supplied from the telephone network;
receiving and storing at a called party location optional data from the calling
party;
terminating said first communication between said calling party and said called
party location over said telephone network;
automatically initiating a second communication between said called party
location and said paging network;
automatically recalling said stored caller identification information and said
optional data from said called party location storage means and transmitting to said
paging network through said telephone network;
receiving said caller identification information and said optional data at said
portable communication device identified in said paging network to said called party
subsoriber.
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1	16. A method of communicating information from a calling party to a called party
2	utilizing a paging network a telephone answering apparatus and a telephone network,
3	said information including caller identification information including at least a bit string
4	representation of a telephone number for a particular telephone unit used by said
5	calling party, comprising the method steps of:
6	
7	providing a portable communication device identified in said paging network to
8	said called party;
9	
10	initiating communication between said calling party to said paging network
11	through said telephone network and said telephone answering apparatus;
12	
13	automatically passing said caller-identification information from said telephone
14	network to said paging network without requiring entry of said caller-identification
15	information by said calling party;
16	
17	transmitting to said called party portable communication device at least said
18	caller identification information from said telephone answering apparatus and said
19	paging network.
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1	17. A method of communicating information from a calling party to a called party
2	utilizing a paging network a telephone answering apparatus and a telephone network,
3	said information including at least caller identification information comprised of voice
4	signal data representative of the identity said calling party, comprising the method
5	steps of:
6	
7	providing a portable communication device identified in said paging network to
8	said called party;
9	
10	initiating communication between said calling party to said paging network
11	through said telephone network and said telephone answering apparatus;
12	
13	automatically passing said caller-identification information from said telephone
14	network to said paging petwork without requiring entry of said caller-identification
15	information by said calling party;
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17	transmitting to said called party portable communication device at least said
18	caller identification information from said telephone answering apparatus and said
19	paging network.
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18. A method of communicating information from a calling party to a called party utilizing a paging network a telephone answering apparatus and a telephone network, said information including caller identification information including at least a bit string representation of a telephone number for a particular telephone unit used by said calling party, comprising the method steps of:

Providing a portable communication device identified in said paging network to said called party;

initiating communication between said calling party to said paging network through said telephone network and said telephone answering apparatus;

automatically passing said caller-identification information from said telephone network to said paging network without requiring entry of said caller-identification information by said calling party;

transmitting to said called party portable communication device at least said caller identification information from said telephone answering apparatus and said paging network

comparing caller identification information received with data prestored in said called party portable communication device;

providing to said called party said caller identification information and associated said prestored data from said comparing means for display or annunciation.

